

ABSTRACT

A valve seal for a rotary valve assembly for use in an internal combustion engine of the piston and cylinder type, wherein the cylinder head/combustion chamber is designed for high compression and of long stroke, such as a diesel engine, the rotary valves and the valve seals being positioned in relationship so as to permit charging of the cylinder with a fuel/air mixture and evacuation of spent gases, and to regulate the pressure within the valve seal and valve seat and hence regulate the pressure between the valve seal and the rotary valve.